

# Purchase Order Receipt Listing

Friday, August 25, 2017 8:16:10 AM

Page 1 of 1

All amounts are calculated in domestic currency.

All Vendors PO ID PO37472 Receipt Dates from 8/25/2017 to 8/25/2017 All Line Item Types  
All Item ID/GL/WOs All Rec. Employees All Currencies  
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID \ Vendor Name		VC-COP001	Thyssenkrupp Materials CA Ltd								
PO37472	4		M6061T6B2.000X04. f		8/31/2017	8/25/2017	12.0000 ✓	\$21.36	0.0000	0	\$256.32
			500								
CAD	No		6061T6 Bar 2.00 x PAS		12.0000	PLOU01		\$256.32	0.0000	0	
			4.500 (cut to 5.00 OR 9								
			5.625 +.030"/- .000) 9-89								
			ml38361								
	7		M7075T6S1.250X7.0 f		8/31/2017	8/25/2017	92.0000	\$29.66	0.0000	0	\$2,728.51
			00								
	No		7075-T6 SHEET f		92.0000	PLOU01		\$2,728.51	0.0000	0	
			1.25" X 7.000"								
			ORDER PRE CUT								
			TO 50.00"								
			ml38361								

Total Received Quantity:  
Total Qty to Inspect (PO U/M):  
Total Reject Quantity:  
Total Receipt Value:  
Total Balance Due Quantity:

104.0000  
0.0000  
0.0000  
\$2,984.83  
0.0000

# BILL OF LADING

Ship From:  
THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033

No: PEC 60632  
Ship Date 23 Aug 17 at 14:41 From PFW  
Probill  
Via O/T  
FOB CONCORD  
Frt PREPAID  
Route 0- 0 Manifest  
Vhcle Trailer  
Slp STAN IVERS (905-532-1350)  
Sold To: ( 20115)  
DART AEROSPACE  
1270 ABERDEEN ST  
HAWKESBURY, ON K6A 1K7

Ship To: ( 1)  
DART AEROSPACE  
1270 ABERDEEN ST  
HAWKESBURY, ON K6A 1K7  
Tel: 613-632-9577 Fax: 613-632-1053

## BILL OF LADING

1) Our Order PEC- 84556- 1 Your PO # 37472  
ALUMINUM PLATE 7075-T651 DOMESTIC  
1.250" THICK X 7.0000" X 50.0000"

Heat Number Tag No  
9388856 683592

Quantity PCS Wt LBS  
53.47 SFT 22 978

2) Our Order PEC- 84556- 2 Your PO # 37472  
ALUMINUM FLAT BAR 6061-T6511  
2.00" x 4.50" X 144.0000" DAS

Heat Number Tag No  
D0496-144 9-89 682985

Quantity PCS Wt LBS  
12 FT 1 126

TOTAL: Tags 2 PCS 23 LBS 1104

Heat Number  
9388856  
D0496-144

\*\*\* Chemical Analysis \*\*\*

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT  
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR  
TO SHIPPING.

ATTN: CHANTAL/LINDA

\*\* ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER \*\*  
\*\* REFERENCED ON IT \*\*

TOTAL 1 BDL, 1 SKID GW. 1211 LBS

Page: 1 ....Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

## B I L L O F L A D I N G

No: PEC 60632

Ship From:  
THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905-669 9444 Fax: 905-738-9033

Ship Date 23Aug17 at 14:41 From PFW  
Probill  
Via O/T  
FOB CONCORD  
Frt PREPAID  
Route 0- 0 Manifest  
Vhcle Trailer  
Slp STAN IVERS (905-532-1350)  
Sold To: ( 20115)  
DART AEROSPACE

Ship To: ( 1)  
DART AEROSPACE

## B I L L O F L A D I N G

=====

\*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA  
CONCORD, ONT.\* \*\*\* 9:00 AM TO 4:00 PM \*\*\*  
\*\*\*\* TEL. 800-926-2600 \*\*\*\*  
\*\*\*\*\*  
\* WE STOCK STAINLESS STEEL \*  
\* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT \*  
\*\*\*\*\*  
\*\*\*PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE  
ADDED TO EVERY ORDER.\*\*\*  
\*\*\*\*\*  
\*\*\*UNE SURCHARGE D'ENERGIE DE \$25.00  
SERA AJOUTEE A CHAQUE COMMANDE.\*\*\*  
\*\*\*POUR VOS BESOINS D'ACIER INOXYDABLE,  
\*CONTACTEZ-NOUS. NOUS L'AVONS! TEL. 800-926-2600\*

Page: 2 .... Last

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.



# B I L L O F L A D I N G

Ship From:  
 THYSSENKRUPP MATERIALS NA  
 2821 LANGSTAFF ROAD  
 CONCORD, ONTARIO L4K 5C6  
 Tel: 905 669 9444 Fax: 905-738-9033

No: PEC 60632  
 Ship Date 23Aug17 at 14:41 From PFW  
 Probill  
 Via O/T  
 FOB CONCORD  
 Frt PREPAID  
 Route 0- 0 Manifest  
 Vhcle Trailer  
 Slp STAN IVERS (905-532-1350)  
 Sold To: ( 20115)  
 DART AEROSPACE

Ship To: ( 1)  
 DART AEROSPACE

# B I L L O F L A D I N G

\*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA  
 CONCORD, ONT.\* \*\*\* 9:00 AM TO 4:00 PM \*\*\*  
 \*\*\*\* TEL. 800-926-2600 \*\*\*\*  
 \*\*\*\*\*  
 \* WE STOCK STAINLESS STEEL \*  
 \* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT \*  
 \*\*\*\*\*  
 \*\*\*PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE  
 ADDED TO EVERY ORDER.\*\*\*  
 \*\*\*\*\*  
 \*\*\*UNE SURCHARGE D'ENERGIE DE \$25.00  
 SERA AJOUTEE A CHAQUE COMMANDE.\*\*\*  
 \*\*\*POUR VOS BESOINS D'ACIER INOXYDABLE,  
 \*CONTACTEZ-NOUS. NOUS L'AVONS! TEL. 800-926-2600\*

Page: 2 .... Last

ALUMINUM • TITAN • CUIVRE • PLASTIQUE • ACIER INOX  
 ALUMINUM • BRASS • COPPER • PLASTICS • STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
 RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
 MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

## Q U O T A T I O N

No: PEC ST-83832

Quoted By:  
 THYSSENKRUPP MATERIALS NA  
 2821 LANGSTAFF ROAD  
 CONCORD, ONTARIO L4K 5C6  
 Tel: 905 669 9444 Fax: 905-738-9033

Quoted To: ( 20115)  
 DART AEROSPACE  
 1270 ABERDEEN ST  
 HAWKESBURY, ON K6A 1K7

Quoted Ship To: ( 1)  
 DART AEROSPACE  
 1270 ABERDEEN ST  
 HAWKESBURY, ON K6A 1K7

Trm NET 30 DAYS/NET 30 JOURS Qtd 18Aug17 Qte Ref  
 Frt PREPAID Via FOB  
 Tel 613-632-9577 Fax 613-632-1053 Ctc CHANTAL  
 Slp STAN IVERS (905-532-1350)

## Q U O T A T I O N

QT No: PEC ST-83832

Test Certs: Chem-Y Phys-Y 1 Original copies with Shipment, 1 with Invoice

1 STAINLESS STEEL ROUND BAR 17-4 STAINLESS	1 PCS	18 LBS
.750" DIA X 144.0000"		12 FT
MATERIAL	12 FT @ 7.9000 FT	94.80
ENERGY & CAP SURCHG	25.0000 LOT	25.00
2 STAINLESS STEEL HEX BAR 303 STAINLESS	1 PCS	9 LBS
.50" HEX X 144.0000"		12 FT
MATERIAL	12 FT @ 5.3067 FT	63.68
3 STAINLESS STEEL ROUND BAR 303 STAINLESS	2 PCS	16 LBS
.50" DIA X 144.0000"		24 FT
MATERIAL	24 FT @ 2.3200 FT	55.68
4 STAINLESS STEEL ROUND BAR 303 STAINLESS	1 PCS	12 LBS
.625" DIA X 144.0000"		12 FT
MATERIAL	12 FT @ 4.7500 FT	57.00
5 STAINLESS STEEL ROUND BAR 303 STAINLESS	4 PCS	72 LBS
.750" DIA X 144.0000"		48 FT
MATERIAL	48 FT @ 4.4200 FT	212.16
6 STAINLESS STEEL ROUND BAR 303 STAINLESS	2 PCS	64 LBS
1.00" DIA X 144.0000"		24 FT
MATERIAL	24 FT @ 7.9367 FT	190.48
7 STAINLESS STEEL ROUND BAR 304L	1 PCS	32 LBS
1.00" DIA X 144.0000"		12 FT
MATERIAL	12 FT @ 7.9000 FT	94.80
8 STAINLESS STEEL SHEET 304L-2B DUAL GRADE	1 PCS	160 LBS
.1200 Nom X 48.0000" X 96.0000"		
MATERIAL	1 PCS @ 347.2000 EA	347.20

# Q U O T A T I O N

No: PEC ST-83832

Quoted By:  
 THYSSENKRUPP MATERIALS NA  
 2821 LANGSTAFF ROAD  
 CONCORD, ONTARIO L4K 5C6  
 Tel: 905 669 9444 Fax: 905-738-9033

Quoted To: ( 20115)  
 DART AEROSPACE

Quoted Ship To: ( 1)  
 DART AEROSPACE

QT No: PEC ST-83832

## Q U O T A T I O N

2 PCS

160 LBS

9 STAINLESS STEEL SHEET 304-2B  
 .0480 Nom X 48.0000" X 120.0000"  
 MATERIAL

2 PCS @

165.0000 EA

330.00

2 PCS

200 LBS

10 STAINLESS STEEL SHEET 304-2B  
 .0600 Nom X 48.0000" X 120.0000"  
 MATERIAL

2 PCS @

208.5200 EA

417.04

1 PCS

33 LBS

11 STAINLESS STEEL SHEET 304-2B  
 .0250 Nom X 48.0000" X 96.0000"  
 MATERIAL

1 PCS @

138.4300 EA

138.43

2 PCS

5 LBS

12 ALUMINUM FLAT BAR 6061-T6511  
 .125" x .750" X 240.0000"  
 MATERIAL

40 FT @

1.3750 FT

40 FT

55.00

1 PCS

36 LBS

13 ALUMINUM FLAT BAR 6061-T6511  
 1.250" x 2.00" X 144.0000"  
 MATERIAL

12 FT @

8.2500 FT

12 FT

99.00

1 PCS

128 LBS

14 ALUMINUM FLAT BAR 6061-T6511  
 2.00" x 4.50" X 144.0000"  
 MATERIAL

12 FT @

26.6667 FT

12 FT

320.00

17 PCS

62 LBS

15 ALUMINUM ROUND BAR 6061-T6511  
 .562" DIA X 144.0000"  
 MATERIAL

204 FT @

1.1323 FT

204 FT

230.99

1 PCS

6 LBS

16 ALUMINUM ROUND BAR 6061-T6511  
 .750" DIA X 144.0000"  
 MATERIAL

12 FT @

4.5833 FT

12 FT

55.00

1 PCS

18 LBS

17 ALUMINUM ROUND BAR 6061-T6511  
 1.250" DIA X 144.0000"  
 MATERIAL

12 FT @

5.5883 FT

12 FT

67.06

1 PCS

56 LBS

18 ALUMINUM SHEET 6061 T6  
 .1250 Nom X 48.0000" X 96.0000"  
 MATERIAL

1 PCS @

183.5600 EA

183.56

1 PCS

27 LBS

19 ALUMINUM SHEET 2024 -T3  
 .0400 Nom X 48.0000" X 144.0000"  
 MATERIAL

1 PCS @

237.5000 EA

237.50

3 PCS

129 LBS

20 ALUMINUM SHEET 2024 -T3  
 .0640 Nom X 48.0000" X 144.0000"  
 Part No \* NO STOCK UNTIL LAYE SEPT \*\*

Q U O T A T I O N

No: PEC ST-83832

Quoted By:  
 THYSSENKRUPP MATERIALS NA  
 2821 LANGSTAFF ROAD  
 CONCORD, ONTARIO L4K 5C6  
 Tel: 905 669 9444 Fax: 905-738-9033

Quoted To: ( 20115)  
 DART AEROSPACE

Quoted Ship To: ( 1)  
 DART AEROSPACE

=====

	Q U O T A T I O N	QT No: PEC ST-83832
MATERIAL	129 LBS @	CWT

-----

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT  
 WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR  
 TO SHIPPING.

ATTN: CHANTAL/LINDA

\*\* ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER \*\*  
 \*\* REFERENCED ON IT \*\*

Price in effect at time of shipment.  
 Price based on receipt of total order.

All weights are theoretical.  
 All orders are subject to credit approval.

\*\*\*\* TEL. 800-926-2600 \*\*\*\*

\*\*\* CUSTOMER PICK-UP HOURS \*\*\*

\*\*\* 9:00 AM TO 4:00 PM \*\*\*

\*\*\*\*\*  
 \* WE STOCK STAINLESS STEEL!!!! \*  
 \* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT \*

\*\*\*\*\*  
 \*\*\*PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE  
 ADDED TO EVERY ORDER.\*\*\*

\*\*\*\*\*  
 \*FOR OUR FULL SALES TERMS AND CONDITIONS, PLEASE  
 \*VISIT OUR WEBSITE: [www.copperandbrass.com](http://www.copperandbrass.com)  
 \*\*\*\*\*

NO CANCELLATIONS ON PROCESSED MATERIAL.

\*\*\*\*\*

\*\*\*\*\*

Order Totals: 20 Items 1243 LBS

\*\*\*\*\*

Material	Processing	Freight	Other	Taxes	ORDER AMT
3,249.38			25.00	425.68	3,700.06

\*\*\*\*\*

Taxes: ONHSTS	425.68	0.00	0.00	0.00
---------------	--------	------	------	------

## Q U O T A T I O N

No: PEC ST-83833

## Quoted By:

THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033

## Quoted To: ( 20115)

DART AEROSPACE  
1270 ABERDEEN ST  
HAWKESBURY, ON K6A 1K7

## Quoted Ship To: ( 1)

DART AEROSPACE  
1270 ABERDEEN ST  
HAWKESBURY, ON K6A 1K7

Trm NET 30 DAYS/NET 30 JOURS

Qtd 18Aug17 Qte Ref

Frt PREPAID

Via

FOB

Tel 613-632-9577 Fax 613-632-1053 Ctc CHANTAL

Slp STAN IVERS (905-532-1350)

## Q U O T A T I O N

QT No: PEC ST-83833

Test Certs: Chem-Y Phys-Y 1 Original copies with Shipment, 1 with Invoice

1 ALUMINUM PLATE 7075-T651 DOMESTIC  
1.250" THICK X 2.0000" X 144.5300"

36.1325 ft 3 PCS

109 LBS

&lt;&lt;&lt;----- SPECIFICATIONS -----&gt;&gt;&gt;

Ga Tol + 0.0000 - 0.0000 Pc/Tag 3

WthTol + 0.1250 - 0.0000 Wt/Skd

LthTol + 0.0000 - 0.0000 Ty Pk

MATERIAL

3 PCS @

151.0600 EA

453.18

ENERGY &amp; CAP SURCHG

25.0000 LOT

25.00

2 ALUMINUM PLATE 7075-T651 DOMESTIC  
.375" THICK X 8.0000" X 144.5000"

1 PCS

44 LBS

Part No \* NO STOCK BAR OR PLATE \*\*\*

MATERIAL

44 LBS @

LBS

3 ALUMINUM PLATE 7075-T651 DOMESTIC  
.750" THICK X 1.2500" X 92.5000"

2 PCS

22 LBS

&lt;&lt;&lt;----- SPECIFICATIONS -----&gt;&gt;&gt;

Ga Tol + 0.0000 - 0.0000 Pc/Tag 2

WthTol + 0.1250 - 0.0000 Wt/Skd

LthTol + 0.0000 - 0.0000 Ty Pk

MATERIAL

2 PCS @

55.0000 EA

110.00

4 ALUMINUM PLATE 7075-T651 DOMESTIC  
1.250" THICK X 7.0000" X 50.0000"

22 PCS 4.1666 ft

990 LBS

&lt;&lt;&lt;----- SPECIFICATIONS -----&gt;&gt;&gt;

Ga Tol + 0.0000 - 0.0000 Pc/Tag 22

WthTol + 0.0630 - 0.0000 Wt/Skd

LthTol + 0.0630 - 0.0000 Ty Pk

MATERIAL

22 PCS @

154.8359 EA

3,406.39

5 ALUMINUM PLATE 7075-T651 DOMESTIC  
1.50" THICK X 1.5000" X 133.6250"

2 PCS

65 LBS

&lt;&lt;&lt;----- SPECIFICATIONS -----&gt;&gt;&gt;



# Q U O T A T I O N

No: PEC ST-83833

Quoted By:  
 THYSSENKRUPP MATERIALS NA  
 2821 LANGSTAFF ROAD  
 CONCORD, ONTARIO L4K 5C6  
 Tel: 905 669 9444 Fax: 905-738-9033

Quoted To: ( 20115)  
 DART AEROSPACE

Quoted Ship To: ( 1)  
 DART AEROSPACE

QT No: PEC ST-83833

## Q U O T A T I O N

Ga Tol +	0.0000	-	0.0000	Pc/Tag	2		
WthTol +	0.1250	-	0.0000	Wt/Skd			
LthTol +	0.0000	-	0.0000	Ty	Pk		
MATERIAL					2 PCS @	144.4400 EA	288.88

6 ALUMINUM PLATE 7075-T651 DOMESTIC 3 PCS 152 LBS  
 1.750" THICK X 2.2500" X 122.5000"

<<<----- SPECIFICATIONS ----->>>  

Ga Tol +	0.0000	-	0.0000	Pc/Tag	3		
WthTol +	0.1250	-	0.0000	Wt/Skd			
LthTol +	0.0000	-	0.0000	Ty	Pk		
MATERIAL					3 PCS @	321.5233 EA	964.57

7 ALUMINUM PLATE 7075-T651 DOMESTIC 4 PCS 305 LBS  
 1.00" THICK X 5.0000" X 147.5000"

<<<----- SPECIFICATIONS ----->>>  

Ga Tol +	0.0000	-	0.0000	Pc/Tag	4		
WthTol +	0.1250	-	0.0000	Wt/Skd			
LthTol +	0.0000	-	0.0000	Ty	Pk		
MATERIAL					4 PCS @	295.1550 EA	1,180.62

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT  
 WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR  
 TO SHIPPING.

ATTN: CHANTAL/LINDA

\*\* ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER \*\*  
 \*\* REFERENCED ON IT \*\*

Price in effect at time of shipment.

Price based on receipt of total order.

All weights are theoretical.

All orders are subject to credit approval.

\*\*\*\* TEL. 800-926-2600 \*\*\*\*

\*\*\* CUSTOMER PICK-UP HOURS \*\*\*

\*\*\* 9:00 AM TO 4:00 PM \*\*\*

\*\*\*\*\*  
 \* WE STOCK STAINLESS STEEL!!!! \*  
 \* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT \*

\*\*\*\*\*  
 \*\*\*PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE  
 ADDED TO EVERY ORDER.\*\*\*

\*\*\*\*\*  
 \*FOR OUR FULL SALES TERMS AND CONDITIONS, PLEASE  
 \*VISIT OUR WEBSITE: www.copperandbrass.com

\*\*\*\*\*  
 NO CANCELLATIONS ON PROCESSED MATERIAL.

# Q U O T A T I O N

No: PEC ST-83833

Quoted By:  
 THYSSENKRUPP MATERIALS NA  
 2821 LANGSTAFF ROAD  
 CONCORD, ONTARIO L4K 5C6  
 Tel: 905 669 9444 Fax: 905-738-9033

Quoted To: ( 20115)  
 DART AEROSPACE

Quoted Ship To: ( 1)  
 DART AEROSPACE

=====

Q U O T A T I O N	QT No: PEC ST-83833
-------------------	---------------------

\*\*\*\*\*

				Order Totals:	7 Items	1687 LBS
*****						
Material	Processing	Freight	Other	Taxes	ORDER AMT	
6,403.64			25.00	835.71	7,264.35	
*****						
Taxes: ONHSTS	835.71	0.00		0.00	0.00	







21Aug17 15:04

## S A L E S   A C K N O W L E D G M E N T

No: PEC ST-84556

Sold By:

THYSSENKRUPP MATERIALS NA

2821 LANGSTAFF ROAD

CONCORD, ONTARIO L4K 5C6

Tel: 905 669 9444 Fax: 905-738-9033

Sold To: ( 20115)

DART AEROSPACE

1270 ABERDEEN ST

HAWKESBURY, ON K6A 1K7

Ship To: ( 1)

DART AEROSPACE

1270 ABERDEEN ST

HAWKESBURY, ON K6A 1K7

Trm NET 30 DAYS/NET 30 JOURS

Frnt PREPAID

Con 96294

Slp STAN IVERS (905-532-1350)

Ord 21Aug17 Due23Aug17

Via O/T

PO/Rel 37472

Tel 613-632-9577 Fax 613-632-1053

FOB CONCORD

S A L E S   A C K N O W L E D G M E N T   SO No PEC ST-84556

Test Certs: Chem Y Phys Y 1 Original copies with Shipment, 1 with Invoice

1 ALUMINUM PLATE 7075-T651 DOMESTIC	22 PCS	990 LBS
1.250" THICK X 7.0000" X 50.0000"		
<<<----- SPECIFICATIONS ----->>>		
Ga Tol + 0.0000 - 0.0000 Pc/Tag 22		
WthTol + 0.0630 - 0.0000 Wt/Skd		
LthTol + 0.0630 - 0.0000 Ty Pk		
MATERIAL	22 PCS @ 154.8359 EA	3,406.39
2 ALUMINUM FLAT BAR 6061-T6511	1 PCS	128 LBS
2.00" x 4.50" X 144.0000"		12 FT
MATERIAL	12 FT @ 26.6700 FT	320.04

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT  
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR  
TO SHIPPING.

ATTN: CHANTAL/LINDA

\*\* ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER \*\*

\*\* REFERENCED ON IT \*\*

\*\* CUSTOMER PICK-UP HRS / 9:00 AM TO 4:00 PM \*\*

\*\*\* TEL. 800-926-2600 \*\*\*

\*\*\*\*\*

\* WE STOCK STAINLESS STEEL!!!! \*

\* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT \*

\*\*\*\*\*

\*\*\*PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE  
ADDED TO EVERY ORDER.\*\*\*

\*\*\*\*\*

\*FOR OUR FULL SALES TERMS AND CONDITIONS, PLEASE

\*VISIT OUR WEBSITE: [www.copperandbrass.com](http://www.copperandbrass.com)

\*\*\*\*\*

NO CANCELLATIONS ON PROCESSED MATERIAL.

\*\*\*\*\*

Order Totals: 2 Items 1,118 LBS

Material	Processing	Freight	Other	Taxes	ORDER AMT
3,726.43				484.44	4,210.87

21Aug17 15:04            S A L E S   A C K N O W L E D G M E N T            No: PEC ST-84556

Sold By:  
THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033

Sold To:    ( 20115)  
DART AEROSPACE

Ship To:    (   1)  
DART AEROSPACE

=====

S A L E S   A C K N O W L E D G M E N T	SO No PEC ST-84556
---	--------------------

Test Certs: Chem Y Phys Y   1 Original copies with Shipment, 1 with Invoice

\*\*\*\*\*

Taxes: ONHSTS        484.44

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

PO/Rel 37472

## Certificate of Mill Test Results

BL PEC-060632-001

23Aug17

ALUMINUM PLATE 7075-T651 DOMESTIC  
1.250" THICK X 7.0000" X 50.0000"  
PART NO.

We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

Signed by: 

Pg 1/5



**CERTIFIED TEST REPORT**  
Constellium Rolled Products  
Ravenswood, LLC

S  
H  
I  
P  
T  
O


COPPER & BRASS-TMX DIVISION

5450 E HOME  
FRESNO CA  
93727  
US

S  
O  
L  
D  
T  
O

COPPER & BRASS SALES

PO BOX 5116  
SOUTHFIELD MI  
48086  
US

COPPER&BR		110543522		4075		INCLUSION		Serial:20170613-0110543522		Pg 1 of 5	
CUSTOMER PURCHASE ORDER NO. & ITEM 5400344630						Constellium ORDER NO. 204897					
ALLOY 7075	CLAD	TEMPER T651	GAUGE 1.29000 in 32.51 mm	WIDTH 30.50000 in 1,537 mm	LENGTH 144.50000 in 3,670 mm						
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH						<b>CERTIFICATION</b> "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA   Steve Good - Laboratory Manager					
CUSTOMER SPECIFICATION AMS QQ-A-250, 2A											
PART NUMBER ALFLR00995		B/L NUMBER 82263		DATE SHIPPED 06/13/2017							
WT. SHIPPED 9250.000 LB		NO. OF PIECES 000008		GOVT. CONTRACT NO.							

ALL LOTS ON THIS CERTIFICATION ALSO CONFORM TO THE FOLLOWING REQUIREMENTS:

AMS 4045K  
ASTM B209-14

Load Details

Package	Net Lbs	Kg	Lot	Piece	Serial	Parent Lot
1001518592	1,100.000	498.951	9388855	01		
1001518592	1,100.000	498.951	9388856	02		
1001518595	1,175.000	532.971	9388858	01		
1001518595	1,175.000	532.971	9388858	02		
1001518595	1,175.000	532.971	9388858	03		
1001518596	1,175.000	532.971	9388857	01		
1001518596	1,175.000	532.971	9388857	02		
1001518596	1,175.000	532.971	9388857	03		

Lot: 9388855 ✓

Tensile - Room Temperature (US)

		Ultimate (KSI)		Yield (KSI)		Elongation (%)		Report
Direction	Tests	Min	Max	Min	Max	Min	Max	
LT	02	81.9	82.7	71.9	72.7	12.5	13.5	

P-860-155D REVISED: 10 2014

From: ThyssenKrupp Materials NA

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM PLATE 7075-T651 DOMESTIC  
1.250" THICK X 7.0000" X 50.0000"  
PART NO.

PO/Rel 37472

We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC-060632-001

23Aug17

Signed by: 

Pg 2/5



Constellium



**CERTIFIED TEST REPORT**  
Constellium Rolled Products  
Ravenswood, LLC

S  
H  
I  
P  
T  
O


COPPER & BRASS-TMX DIVISION

5450 E. HOME  
FRESNO CA  
93727  
US

S  
O  
L  
D  
T  
O

COPPER & BRASS SALES

PO BOX 5116  
SOUTHFIELD MI  
48088  
US

COPPER&BR		110543522		4075		INCLUSION		Serial:20170613-0110543522		Pg 2of5																															
CUSTOMER PURCHASE ORDER NO. & ITEM 5400344830						Constellium ORDER NO. 204897			<b>CERTIFICATION</b> "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 58 RAVENSWOOD, WV 26164 USA   Steve Good - Laboratory Manager																																
ALLOY 7075	CLAD	TEMPER T651	GAUGE 1.28000 in 32.51 mm	WIDTH 60.50000 in 1.537 mm	LENGTH 144.50000 in 3.570 mm																																				
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH																																									
CUSTOMER SPECIFICATION AMS QQ-A-250/12A																																									
PART NUMBER ALFLR00995			B/L NUMBER 82253		DATE SHIPPED 06/13/2017																																				
WT. SHIPPED 9250.000 LB		NO. OF PIECES 000008		GOVT. CONTRACT NO.																																					
<b>Tensile - Room Temperature (SI)</b> <table border="1"> <thead> <tr> <th colspan="2"></th> <th colspan="2">Ultimate (N/MM2)</th> <th colspan="2">Yield (N/MM2)</th> <th colspan="2">Elongation (%)</th> <th colspan="2">Report</th> </tr> <tr> <th>Direction</th> <th>Tests</th> <th>Min</th> <th>Max</th> <th>Min</th> <th>Max</th> <th>Min</th> <th>Max</th> <th colspan="2"></th> </tr> </thead> <tbody> <tr> <td>LT</td> <td>02</td> <td>565</td> <td>570</td> <td>496</td> <td>501</td> <td>12.5</td> <td>13.5</td> <td colspan="2"></td> </tr> </tbody> </table>														Ultimate (N/MM2)		Yield (N/MM2)		Elongation (%)		Report		Direction	Tests	Min	Max	Min	Max	Min	Max			LT	02	565	570	496	501	12.5	13.5		
		Ultimate (N/MM2)		Yield (N/MM2)		Elongation (%)		Report																																	
Direction	Tests	Min	Max	Min	Max	Min	Max																																		
LT	02	565	570	496	501	12.5	13.5																																		
<b>Chemistry (Actual)</b> <table border="1"> <thead> <tr> <th></th> <th>SI</th> <th>FE</th> <th>CU</th> <th>MN</th> <th>MG</th> <th>CR</th> <th>ZN</th> <th>TI</th> <th>ZR</th> </tr> </thead> <tbody> <tr> <td>Core</td> <td>0.06</td> <td>0.14</td> <td>1.45</td> <td>0.06</td> <td>2.68</td> <td>0.20</td> <td>5.59</td> <td>0.03</td> <td>0.00</td> </tr> </tbody> </table>													SI	FE	CU	MN	MG	CR	ZN	TI	ZR	Core	0.06	0.14	1.45	0.06	2.68	0.20	5.59	0.03	0.00										
	SI	FE	CU	MN	MG	CR	ZN	TI	ZR																																
Core	0.06	0.14	1.45	0.06	2.68	0.20	5.59	0.03	0.00																																
OTHERS-EACH: .05 MAX, OTHERS TOTAL: .15 MAX, AL REMAINDER																																									
All material contained in this lot was cast and manufactured in the USA																																									
Lot: 9388858																																									
<b>Tensile - Room Temperature (US)</b> <table border="1"> <thead> <tr> <th colspan="2"></th> <th colspan="2">Ultimate (KSI)</th> <th colspan="2">Yield (KSI)</th> <th colspan="2">Elongation (%)</th> <th colspan="2">Report</th> </tr> <tr> <th>Direction</th> <th>Tests</th> <th>Min</th> <th>Max</th> <th>Min</th> <th>Max</th> <th>Min</th> <th>Max</th> <td colspan="2"></td> </tr> </thead> <tbody> <tr> <td>LT</td> <td>02</td> <td>81.3</td> <td>81.5</td> <td>70.9</td> <td>71.2</td> <td>12.5</td> <td>13.0</td> <td colspan="2"></td> </tr> </tbody> </table>														Ultimate (KSI)		Yield (KSI)		Elongation (%)		Report		Direction	Tests	Min	Max	Min	Max	Min	Max			LT	02	81.3	81.5	70.9	71.2	12.5	13.0		
		Ultimate (KSI)		Yield (KSI)		Elongation (%)		Report																																	
Direction	Tests	Min	Max	Min	Max	Min	Max																																		
LT	02	81.3	81.5	70.9	71.2	12.5	13.0																																		
P-860-1550 REVISED: 10 2014																																									

From: ThyssenKrupp Materials NA



# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

PO/Rel 37472

## Certificate of Mill Test Results

BL PEC-060632-001

23Aug17

ALUMINUM PLATE 7075-T651 DOMESTIC  
1.250" THICK X 7.0000" X 50.0000"  
PART NO.

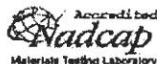
We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

Signed by: 

Pg 3/5



Constellium



**CERTIFIED TEST REPORT**  
Constellium Rolled Products  
Ravenswood, LLC

S  
H  
I  
P  
T  
O


COPPER & BRASS-TMX DIVISION

5450 E HOME  
FRESNO CA  
93727  
US

S  
O  
L  
D  
T  
O

COPPER & BRASS SALES

PO BOX 5116  
SOUTHFIELD MI  
48086  
US

COPPER&BR		110543522		4075		INCLUSION		Serial:20170813-0110543522		Pg 3of5																												
CUSTOMER PURCHASE ORDER NO. & ITEM 5400344830						Constellium ORDER NO. 204897																																
ALLOY 7075	CLAD	TEMPER T651	GAUGE 1.28000 in 32.51 mm	WIDTH 60.50000 in 1,537 mm	LENGTH 144.50000 in 3,670 mm	<b>CERTIFICATION</b> "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 850 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA   Steve Good - Laboratory Manager																																
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH																																						
CUSTOMER SPECIFICATION AMS QQ-A-250/12A																																						
PART NUMBER ALFLR00595			B/L NUMBER 82263		DATE SHIPPED 06/13/2017																																	
WT. SHIPPED 9250.000 LB		NO. OF PIECES 000008		GOVT. CONTRACT NO.																																		
<b>Tensile - Room Temperature (SI)</b> <table border="1"> <thead> <tr> <th colspan="2"></th> <th colspan="2">Ultimate (N/MM2)</th> <th colspan="2">Yield (N/MM2)</th> <th colspan="2">Elongation (%)</th> <th>Report</th> </tr> <tr> <th>Direction</th> <th>Tests</th> <th>Min</th> <th>Max</th> <th>Min</th> <th>Max</th> <th>Min</th> <th>Max</th> <th></th> </tr> </thead> <tbody> <tr> <td>LT</td> <td>02</td> <td>561</td> <td>562</td> <td>489</td> <td>481</td> <td>12.5</td> <td>13.0</td> <td></td> </tr> </tbody> </table>														Ultimate (N/MM2)		Yield (N/MM2)		Elongation (%)		Report	Direction	Tests	Min	Max	Min	Max	Min	Max		LT	02	561	562	489	481	12.5	13.0	
		Ultimate (N/MM2)		Yield (N/MM2)		Elongation (%)		Report																														
Direction	Tests	Min	Max	Min	Max	Min	Max																															
LT	02	561	562	489	481	12.5	13.0																															
<b>Chemistry (Actual)</b> <table border="1"> <thead> <tr> <th></th> <th>SI</th> <th>FE</th> <th>CU</th> <th>MN</th> <th>MG</th> <th>CR</th> <th>ZN</th> <th>TI</th> <th>ZR</th> </tr> </thead> <tbody> <tr> <td>Core</td> <td>0.06</td> <td>0.14</td> <td>1.45</td> <td>0.06</td> <td>2.68</td> <td>0.20</td> <td>5.59</td> <td>0.03</td> <td>0.00</td> </tr> </tbody> </table>													SI	FE	CU	MN	MG	CR	ZN	TI	ZR	Core	0.06	0.14	1.45	0.06	2.68	0.20	5.59	0.03	0.00							
	SI	FE	CU	MN	MG	CR	ZN	TI	ZR																													
Core	0.06	0.14	1.45	0.06	2.68	0.20	5.59	0.03	0.00																													
OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER																																						
All material contained in this lot was cast and manufactured in the USA																																						
Lot: 9388857																																						
<b>Tensile - Room Temperature (US)</b> <table border="1"> <thead> <tr> <th colspan="2"></th> <th colspan="2">Ultimate (KSI)</th> <th colspan="2">Yield (KSI)</th> <th colspan="2">Elongation (%)</th> <th>Report</th> </tr> <tr> <th>Direction</th> <th>Tests</th> <th>Min</th> <th>Max</th> <th>Min</th> <th>Max</th> <th>Min</th> <th>Max</th> <th></th> </tr> </thead> <tbody> <tr> <td>LT</td> <td>02</td> <td>81.7</td> <td>82.9</td> <td>71.6</td> <td>72.7</td> <td>12.0</td> <td>13.0</td> <td></td> </tr> </tbody> </table>														Ultimate (KSI)		Yield (KSI)		Elongation (%)		Report	Direction	Tests	Min	Max	Min	Max	Min	Max		LT	02	81.7	82.9	71.6	72.7	12.0	13.0	
		Ultimate (KSI)		Yield (KSI)		Elongation (%)		Report																														
Direction	Tests	Min	Max	Min	Max	Min	Max																															
LT	02	81.7	82.9	71.6	72.7	12.0	13.0																															
P-880-155D REVISED: 10 2014																																						

From: ThyssenKrupp Materials NA

# THYSSENKRUPP MATERIALS NA


DART AEROSPACE

ALUMINUM PLATE 7075-T651 DOMESTIC  
1.250" THICK X 7.0000" X 50.0000"  
PART NO.

PO/Rel 37472

We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

## Certificate of Mill Test Results

Signed by:  BL PEC-060632-001 23Aug17  
Pg 4/5



Constellium



**CERTIFIED TEST REPORT**  
Constellium Rolled Products  
Ravenswood, LLC

S  
H  
I  
P  
T  
O


COPPER & BRASS-TMX DIVISION

5460 E. HOME  
FRESNO CA  
93727  
US

S  
O  
L  
D  
T  
O

COPPER & BRASS SALES

PO BOX 5116  
SOUTHFIELD MI  
48086  
US

COPPER&BR		110543522		4075		INCLUSION		Serial:20170613-0110543522		Pg 4of5	
CUSTOMER PURCHASE ORDER NO. & ITEM 5400344830						Constellium ORDER NO. 204897					
ALLOY 7075		CLAD		TEMPER T651		GAUGE 1.28000 in 32.51 mm		WIDTH 80.50000 in 1,537 mm		LENGTH 144.50000 in 3,670 mm	
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH											
CUSTOMER SPECIFICATION AMS QQ-A-250/12A											
PART NUMBER ALFLR00995				B/L NUMBER 82253				DATE SHIPPED 06/13/2017			
WT. SHIPPED 9250.000 LB				NO. OF PIECES 000008				GOVT. CONTRACT NO.			
<b>CERTIFICATION</b> "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA   Steve Good - Laboratory Manager											
<b>Tensile - Room Temperature (SI)</b>											
		Ultimate (N/MM2)		Yield (N/MM2)		Elongation (%)		Report			
Direction	Tests	Min	Max	Min	Max	Min	Max				
LT	02	563	572	494	501	12.0	13.0				
<b>Chemistry (Actual)</b>											
	SI	FE	CU	MN	MG	CR	ZN	TI	ZR		
Core	0.06	0.14	1.45	0.06	2.68	0.20	6.69	0.03	0.00		
OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER											
All material contained in this lot was cast and manufactured in the USA											
<b>QUALITY TEXTS:</b> Constellium Rolled Products Ravenswood, LLC (Constellium) certifies that all metals and materials supplied are in compliance with European Union Directives 2002/95/EC and 2011/65/EU. Constellium further certifies that a copy of these directives, which provides restrictions on the use of certain hazardous substances (RoHS) in electrical and electronic equipment, have been received and read in their entirety.  Constellium understand and agrees, as a supplier that it is responsible for meeting the requirements of the RoHS and RoHS2 directives.											
P-860-155D REVISED: 10 2014											

From: ThyssenKrupp Materials NA

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM PLATE 7075-T651 DOMESTIC  
1.250" THICK X 7.0000" X 50.0000"  
PART NO.

PO/Rel 37472

We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC-060632-001

23Aug17

Signed by: 

Pg 5/5



Constellium



**CERTIFIED TEST REPORT**  
Constellium Rolled Products  
Ravenswood, LLC

S  
H  
I  
P  
T  
O


COPPER & BRASS-TMX DIVISION

5450 E HOME  
FRESNO CA  
93727  
US

S  
O  
L  
D  
T  
O

COPPER & BRASS SALES

PO BOX 5116  
SOUTHFIELD MI  
48086  
US

COPPER&BR		110543522		4075		INCLUSION		Serial:20170613-0110543522		Pg 5of5	
CUSTOMER PURCHASE ORDER NO. & ITEM 5400344830						Constellium ORDER NO. 204897					
ALLOY 7075	CLAD	TEMPER T651	GAUGE .28000 in 32.51 mm	WIDTH 60.50000 in 1,537 mm	LENGTH 144.50000 in 3,670 mm	<b>CERTIFICATION</b> "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 853 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA   Steve Good - Laboratory Manager					
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH											
CUSTOMER SPECIFICATION AMS QQ-A-250/12A											
PART NUMBER ALFLR00955			B/L NUMBER 82263		DATE SHIPPED C6/13/2017						
WT. SHIPPED 9250.000 LB			NO. OF PIECES 000008		GOVT. CONTRACT NO.						
<p>THIS TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE LABORATORY OR AUTHORIZED QUALITY DELEGATE. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW.</p> <p>CHEMISTRY BY OES: ARKSPARK</p> <p>CHEMISTRIES REPORTED IN PERCENTAGE BY WEIGHT</p> <p>WHEN FRACTURE TOUGHNESS TEST REQUIRED, TESTED PER ASTM E399</p> <p>WHEN TENSILE TEST REQUIRED, TESTED PER ASTM E8; B557</p> <p>DUNS Number: 090570149; CAGE Code: 1YW19</p> <p>Mercury is not a normal contaminant in aluminum alloys and neither mercury nor any of its compounds were utilized in the manufacture of our product.</p> <p>"END OF CERTIFICATION"</p>											
P-860-155D REVISED: 10 2014											

From: ThyssenKrupp Materials NA

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511  
2.00" x 4.50" X 144.0000"  
PART NO.

PO/Rel 37472

We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC-060632-002

23Aug17

Signed by: 

Pg 1/1

## KAISER ALUMINUM FABRICATED PRODUCTS

KAISER ALUMINUM  
CANADA LIMITED  
3021 GORE ROAD  
LONDON, ON N5V 5A9

### CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

CUSTOMER PO NUMBER: PEC-285085-1		CUSTOMER PART NUMBER: HK628		PRODUCT DESCRIPTION: 2.000 X 4.500 SC RECT BAR	
KAISER ORDER NUMBER: 755714	LINE ITEM: 001	SHIP DATE: 08/16/2017	KAISER LOT NUMBER: D0496-144	ALLOY: 6061	TEMPER: T6511
WEIGHT SHIPPED: 1270.000 LB	QUANTITY: 10.000 PCS	B/L NUMBER: 761006	DIAM/DAF/THKNS:	WIDTH:	LENGTH: 12.000 FT
SHIP TO:  THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA			SOLD TO:  THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA		

### Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
D0496-144	0001	1	48.4	41.7	13.0	RE 96	N/A	N/A

### Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.8	0.7	0.40	0.15	1.2	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40		0.15		0.8	0.04			NA	NA	NA		
038316	.73	.22	.30	.08	.95	.09	.16	.02	.00	.00	.00	.01	.03

### Applicable Requirements:

ASTM-B221-14 STENCILED ASME-SB221 1998 SECT II AMS-QQ-A-200/8 97(R07) UNS#A96061  
(T6511 also conforms to T6-not applicable to other tempers)

### Miscellaneous Notes

MANUFACTURED IN CANADA MELTED IN CANADA  
MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY  
OF ITS COMPOUNDS ARE UTILIZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

### CERTIFICATION

Kaiser Aluminum Canada Limited ('Kaiser') hereby certifies that metal shipped under this order has been  
inspected and tested and found in conformance with applicable specifications forming a part of the  
description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on  
Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Curtis Gold, Quality Manager

Plant Serial: 30126441

Kaiser Order Number: 755714

Line Item: 001



# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M7075 T6 S1.250X7.00  
 DATE: 17/08/25

PO / BATCH NO: 37472 / 138361

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 22  
 QUANTITY INSPECTED: 22  
 QUANTITY REJECTED: \_\_\_\_\_

THICKNESS ORDERED: 1.250  
 THICKNESS RECEIVED: 1.250  
 SHEET SIZE ORDERED: \_\_\_\_\_  
 SHEET SIZE RECEIVED: \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	
CORROSION	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	AMS-QQ-A-250/12
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	
PHOTO REQUIRED	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	HEAT # 9388856
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	M7075 T6 S1.250X7.00
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	4138361
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>[Signature]</u> DATE: <u>17/08/25</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# SPECIFICATION CONTROL DRAWING

**PURCHASE MATERIAL:** 7075-T6/T62/T651 ALUMINUM SHEET OR PLATE

**SPECIFICATION:**

QQ-A-250/12 OR AMS-QQ-A-250/12  
OR AMS 4045  
OR ASTM B209

OR

**PURCHASE MATERIAL:** 7075-T6/T62/T651 ALCLAD ALUMINUM SHEET OR PLATE

**SPECIFICATION:**

QQ-A-250/13 OR AMS-QQ-A-250/13  
OR AMS 4048/4049  
OR ASTM B209

**PART NUMBER:**

M7075T6S | TTT | X | W.WWWW |  
| THK | | WIDTH |

WHERE "TTT" = THICKNESS (IN INCHES)  
AND "W.WWWW" = WIDTH (IN INCHES, OPTIONAL, FOR SPECIFYING CUT PLATE)

EG. 0.063" THICK SHEET = M7075T6S.063  
EG. 3.5" WIDE BY 0.500" THICK PLATE = M7075T6S.500X3.500

**PREFERRED SIZE:**

.TTT BY 4FT BY 10FT FOR SHEET

RELEASED

2017 JUN 19  
ECN 17-574

APPROVED

B	ADD REF TO PLATE, T651 TEMPER, AMS 4046, OPTIONAL WIDTH DIM (CARB-149)	CP	17.05.05
A	NEW ISSUE	RF	10.11.06
REV.	DESCRIPTION	BY	DATE
DESIGN	RF	CP	
DRAWN	CP	CP	
CHECKED	ML	ML	
MFG. APPR.	LL	LL	
APPROVED	WM	WM	
DE APPR.	DS	DS	
DATE	17.05.05		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWING NO. M7075T6S			
SHEET 1 OF 1			
REV. B			
TITLE 7075-T6 SHEET/PLATE SPEC NTS			
SCALE			
DATE 17.05.05			
DRAWN BY DART AEROSPACE LTD			
CHECKED BY DART AEROSPACE LTD			
MFG. APPR. BY DART AEROSPACE LTD			
APPROVED BY DART AEROSPACE LTD			
DE APPR. BY DART AEROSPACE LTD			
THIS DOCUMENT IS UNCLASSIFIED AND NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT EXCEPT WHERE SHOWN OTHERWISE			

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6B2.000X4.500

PO / BATCH NO.: 1037472/M138361

DATE: 11-05-20

MATERIAL CERT REC'D: yes

THICKNESS ORDERED: 2.000

QUANTITY RECEIVED: 12'

THICKNESS RECEIVED: 2.005

QUANTITY INSPECTED: 12'

SHEET SIZE ORDERED: N/A

QUANTITY REJECTED: 0

SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	(N)	
CORRECT FINISH	(Y)	N	
CORROSION	Y	(N)	
CORRECT GRAIN DIRECTION	(Y)	N	
CORRECT MATERIAL PER M-DRAWING	(Y)	N	AMS QQ-A-200/3
CORRECT THICKNESS	(Y)	N	
PHOTO REQUIRED	Y	(N)	
CORRECT REF # TO LINK CERT	(Y)	N	HT# DMS6-144
CORRECT MATERIAL IDENTIFICATION	(Y)	N	
CORRECT M# ON THE MATERIAL	(Y)	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

<b>QC 18 INSPECTION</b>		<b>ENGINEERING SIGNOFF (if required)</b>	
INSPECTED BY: <u>9</u> <u>9-89</u>		SIGNED OFF BY: _____	
DATE: <u>11-05-20</u>		DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR

SPECIFICATION:

QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)  
OR ASTM B211 OR ASTM B221

2.000 X 4.500

PART NUMBER:

M6061T6B | T.TTT | X | WWW.WWW |  
THICK | WIDTH |  
DAS 9 9.89

WHERE "T.TTT" = THICKNESS IN INCHES  
"WWW.WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

RELEASED  
R 2009-05-03  
MAD

B	REMOVE QQ-A-250/11 OPTION, REFORMAT NOTES, ADD ASTM B211/B221 (ZN D7-1)	CP	09.07.13
A	NEW ISSUE	DS	01.06.08
REV.	DESCRIPTION	BY	DATE
DESIGN	DS		
DRAWN	DS		
CHECKED	AS		
MFG. APPR.	M6061T6B		
APPROVED	TITLE		
DE APPR.	6061-T6 BAR		
DATE	09.07.13		

© 2001 BY DART AEROSPACE LTD  
HAWKESBURY, ONTARIO, CANADA  
REV. B  
SHEET 1 OF 1  
SCALE  
NTS  
THIS DOCUMENT IS UNCLASSIFIED  
IT IS THE POLICY OF DART AEROSPACE LTD TO MAKE THIS DOCUMENT AVAILABLE TO THE PUBLIC  
IT IS THE POLICY OF DART AEROSPACE LTD TO MAKE THIS DOCUMENT AVAILABLE TO THE PUBLIC



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO37472**

Purchase Order Date 8/18/2017

PO Print Date 8/18/2017

Page Number 1 of 4

Order From : VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

EMAILED  
AUG 21 2017

Contact Name  
Vendor Phone 905 669 9444

Ship To Contact  
Ship To Phone  
Ship Via: VENDOR'S TRUCK  
Ship Acct:

Buyer Chantal Lavoie  
Customer POID  
Customer Tax # 10127-2607  
Terms Net 30  
Currency CAD  
FOB FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
	Line Comments		Promise Date				
	Delivery Comments						
1	M174R0.750	17-4 round bar .750	8/31/2017		12.00	\$7.95	\$95.40
			Yes		f		
			8/31/2017				
	17-4PH/S17400/TYPE 630 SS ROUND BAR PER AMS 5643/ASTM A564 GRAIN MUST BE ALONG LENGTH OF BAR. MINIMUM YIELD TENSILE STRENGTH = 100KSI MINIMUM ULTIMATE TENSILE STRENGTH = 150 KSI						

Line Total: \$95.40

2	M303R0.750	303 Round Bar 0.750	8/31/2017		48.00	\$4.42	\$212.16
			Yes		f		
			8/31/2017				

MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

SP 17-8-23.

Line Total: \$212.16

PO Instructions: no pec st-83832 and st-83833

Note:

8/18/2017



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO37472**

Purchase Order Date 8/18/2017

PO Print Date 8/18/2017

Page Number 2 of 4

Order From : VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via:

Ship Acct:

VENDOR'S TRUCK

Buyer

Customer POID

Customer Tax #

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30

CAD

FCA - (Free Carrier)

3	M6061T6B00750X00.125	6061-T6 Bar .750 x .125	8/31/2017	40.00	\$1.38	\$55.00
			Yes	f		
			8/31/2017			

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

*SP A-8-23*

Line Total: \$55.00

4	M6061T6B2.000X04.500	6061T6 Bar 2.00 x 4.500	8/31/2017	12.00	\$26.67	\$320.00
		(cut to 5.00 OR 5.625 -				
		+ .030"/-.000)	Yes	f		
			8/31/2017			

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

*SP 178-25*

Line Total: \$320.00

PO Instructions: no pec st-83832 and st-83833

Note:

8/18/2017





Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO37472**

Purchase Order Date 8/18/2017

PO Print Date 8/18/2017

Page Number 3 of 4

Order From : VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	905 669 9444	Customer POID	
		Customer Tax #	10127-2607
Ship To Contact		Terms	Net 30
Ship To Phone		Currency	CAD
Ship Via:	VENDOR'S TRUCK	FOB	FCA - (Free Carrier)
Ship Acct:			

5	M7075T6S1.250X2.000	7075-T6 SHEET 1.250" X 2.000"	8/31/2017	36.13	\$12.59	\$454.84
			Yes	f		
			8/31/2017			

MAT'L 7075-T6/T62 ALUMINUM SHEET  
SPECS QQ-A-250/12 OR AMS-QQ-A-250/12 OR AMS 4045 OR PER ASTM B209

MAT'L 7075-T6/T62 ALCLAD ALUMINUM SHEET  
SPECS QQ-A-250/13 OR AMS-QQ-A-250/13 OR AMS 4049 OR PER ASTM B209

Line Total: \$454.84

6	M7075T6S0.750X1.250	M7075T6S0.750X1.250	8/31/2017	15.42	\$7.14	\$110.00
			Yes	f		
			8/31/2017			

MAT'L 7075-T6/T62 ALUMINUM SHEET  
SPECS QQ-A-250/12 OR AMS-QQ-A-250/12 OR AMS 4045 OR PER ASTM B209

MAT'L 7075-T6/T62 ALCLAD ALUMINUM SHEET  
SPECS QQ-A-250/13 OR AMS-QQ-A-250/13 OR AMS 4049 OR PER ASTM B209

Line Total: \$110.00

PO Instructions: no pec st-83832 and st-83833

Note:

8/18/2017



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO37472**

Purchase Order Date 8/18/2017

PO Print Date 8/18/2017

Page Number 4 of 4

Order From : VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name  
Vendor Phone 905 669 9444

Ship To Contact  
Ship To Phone  
Ship Via: VENDOR'S TRUCK  
Ship Acct:

Buyer Chantal Lavoie  
Customer POID  
Customer Tax # 10127-2607  
Terms Net 30  
Currency CAD  
FOB FCA - (Free Carrier)

7	M7075T6S1.250X7.000	7075-T6 SHEET 1.25" X 7.000" ORDER PRE CUT TO 50.00"	8/31/2017	92.00	\$37.03	\$3,406.38
---	---------------------	--	-----------	-------	---------	------------

NOTE 22 PCS COT AT 50" LONG  
MAT'L 7075-T6/T62 ALUMINUM SHEET  
SPECS QQ-A-250/12 OR AMS-QQ-A-250/12 OR AMS 4045 OR PER ASTM B209  
MAT'L 7075-T6/T62 ALCLAD ALUMINUM SHEET  
SPECS QQ-A-250/13 OR AMS-QQ-A-250/13 OR AMS 4049 OR PER ASTM B209

Line Total: \$3,406.38

8	71401-45	PROCUREMENT QUALITY CLAUSES	8/31/2017	1.00	\$0.00	\$0.00
---	----------	-----------------------------	-----------	------	--------	--------

Procurement Quality Clauses  
A005 right of entry  
A012 chemical and physical test report  
A016 personnel qualification  
A017 raw material identification (as applicable)  
A026 certification of material conformance  
A041 quality management system  
A042 dart notification by supplier  
A043 retention of quality documents

Line Total: \$0.00

PO Total: \$4,653.78

PO Instructions: no pec st-83832 and st-83833

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Change Nbr: 1

Change Date: 8/18/2017